CUBIT Capability Proposal

Technical Area Geometry, Meshing, Infrastructure, GUI, Graphics, etc..	**Technical Lead** Cubit Developer in charge of technical area
Meshing, Infrastructure	

MRD Description
Describe the capability in terms of how a user would see it.

Consolidate mesh-centric meshing functions into a single logical place in the GUI and provide output and graphics support for mesh-centric stuff.

SRS Description
What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

1. Re-implement Spider command to be correctly mesh-centric (require no extraneous geometry) .
2. Re-implement rebar command to be correctly mesh_centric (and thus remove some current constraints)
3. Upgrade graphics and infrastructure support for mesh without geometric owner.

Justification
Describe why this is important and what impact it will have if it is implemented. (or not implemented).

We have begun to provide mesh-centric activities in response to code sponsor needs and wants. We should at least make what we have consistent and usable.

Resources Who will work on this	**Time estimate** How much time will it take in man-weeks	**Targeted Release** 10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)
1. Ray (spider)	3	10.2
2. Ray (rebar)	4	
3. Clint, Randy (support)	4	

Submitted By:	**Date:**
Ray	27 March, 2006